

ABSTRACT OF THE DISCLOSURE

A constant current which is output from a constant current circuit having a positive temperature characteristic and a constant current which is output from a constant current circuit having a negative temperature

5 characteristic are both input to a current synthesizing circuit. The current synthesizing circuit synthesizes the constant currents at a ratio which allows a temperature characteristic to be within a range between the positive temperature characteristic and the negative temperature characteristic and accordingly outputs a constant current having an

10 arbitrary temperature dependency within a specific range. The constant current output from the current synthesizing circuit is input to a current-voltage converting circuit to be converted into a reference voltage.